

PolyOne Geon™ Vinyl Flexible 90201 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-90201-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|-----------------------------|
| Specific Gravity | 1.27 g/cc | 1.27 g/cc | ASTM D792 |
| Volatiles | 0.75 % | 0.75 % | Loss; Method A; ASTM D1203B |
| | @Thickness 1.91 mm, Temperature 105 °C | @Thickness 0.0752 in, Temperature 221 °F | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|----------|--------------------------------|
| Hardness, Shore A | 74 | 74 | 15 sec; ASTM D2240 |
| Tensile Strength at Break | 13.0 MPa | 1890 psi | Type IV, 510 mm/min; ASTM D638 |
| Elongation at Break | 340 % | 340 % | Type IV, 510 mm/min; ASTM D638 |
| Tear Strength | 47.5 kN/m | 271 pli | Die C, 2 in/min; ASTM D1004 |

| Descriptive Properties | Value | Comments |
|-----------------------------|--|------------------------------|
| Automotive Specifications | CHRYSLER MS-DC227 CPN3043 Color: Black | |
| | GM GMP.PVC.009 | |
| Forms | Pellets | |
| Fungal Resistance | Pass | ASTM G21 |
| Generic Material | PVC, Flexible | |
| Generic Name | Polyvinyl Chloride, Flexible (PVC, Flexible) | |
| Low Temperature Flexibility | Pass | -29°C, 508.0 µm; 4 hr, 12 mm |
| Processing Method | Encapsulating | |
| | Extrusion | |
| | Injection Molding | |
| Regional Availability | Africa & Middle East | |
| | Asia Pacific | |

| Descriptive Properties | Value | Comments |
|------------------------|-------------------------|--|
| | North America | |
| | South America | |
| Uses | Automotive Applications | |
| | Outdoor Applications | |
| Xenon Weatherometer | Pass | SAE J1960; Exterior, 2500 kJ/m ² , Black, dE* < 3.0 |

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